

Appln No. 10/500,188
Amdt date September 25, 2008
Reply to Office action of June 27, 2008

Amendments to the Specification:

Please replace the Title with the following new Title:

DELAYED MEMORY DEVICE APPARATUS FOR APPLYING A COMPRESSIVE
LOAD ON BODY TISSUE

Please replace paragraph [00211] with the following new paragraph:

[00211] Referring now to FIGS. 44A-44B and 45A-45B, another embodiment of a device suitable for repairing mitral valve insufficiency is described. In this embodiment, device 210 comprises a balloon expandable stent 212, which may be tapered along its length. Stent 212 is disposed on the distal region of balloon catheter 213[[214]], which is capable of assuming a curved shape when inflated. As depicted in FIG. 44A, stent 212 and balloon catheter 213[[214]] are disposed in the patient's coronary sinus through the coronary ostium.

Please replace paragraph [00212] with the following new paragraph:

[00212] Once the position of stent 212 is determined, for example, by fluoroscopy, balloon 214 is inflated [[via]]to expand the balloon 214 to its predetermined curved shape. Inflation of balloon 214 causes stent 212 to be plastically deformed in accordance with the predetermined shape of balloon 214. As will be of course be appreciated, the degree of mitral valve regurgitation may be monitored during the step of inflating balloon 214, so that stent 212 applies only so much compressive load on the mitral valve annulus as is required to reduce the regurgitation to a clinically acceptable level:

Please replace paragraph [00214] with the following new paragraph:

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[00214] Referring to FIGS. 45A and 45B, the distal region of a balloon catheter suitable for use in the embodiment of FIGS. 44 is described. The balloon catheter 213 has proximal and distal ends, and comprises balloon 214[[215]], and inflation lumen and guidewire lumens, as is per se known. In accordance with the principles of the present invention, balloon 214[[215]] includes an anchor element 216, such as a strand of wire, affixed to its interior surface, so that when the balloon is inflated, it adopts a predetermined shape, as shown in FIG. 45B. When deflated, balloon 214[[215]] assumes a straight configuration, shown in FIG. 45A, thus permitting stent 212 to be crimped to its outer surface.